

**TROLLING MOTOR MOUNTED TRANSDUCER GUIDE**

532146-2\_A

**OVERVIEW**

The trolling motor mounted transducer allows you to gather sonar information from the point on the boat closest to where you are fishing. It will fit any standard trolling motor housing.

Some users install this transducer with a switch so that the standard transducer can be used for high-speed operation, and the trolling motor transducer can be used while trolling.

**PREPARATION**

Before you start installation, we encourage you to read the instructions carefully in order to get the full benefit from your Humminbird® accessory.

**⚠ WARNING!** Disconnect the motor from all sources of electrical power before you start installation.

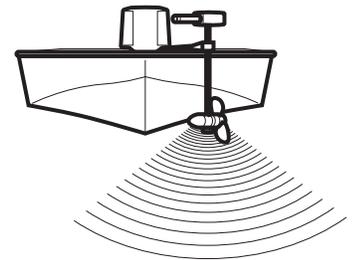
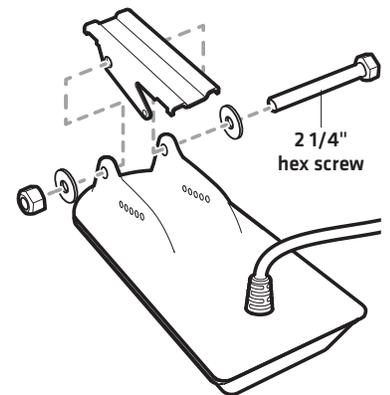
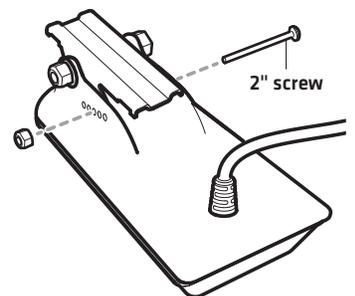
**Supplies:**

- [1] 2 1/4" hex screw
- [2] 1/4" flat washers
- [1] 1/4"-20 nylock nut
- [1] #4 x 2" screw
- [1] #4 nylock nut
- [1] transducer [varies- not all kits include a transducer]

In addition to the hardware supplied with this accessory, you will need various hand tools. If you purchased a transducer mount adapter kit, you will also need your original transducer for this installation. Product features and specifications are subject to change without notice.

**Customer Service:** To purchase additional equipment, or if you find that any items are missing from your installation kit, visit our Web site at [humminbird.com](http://humminbird.com) or call us at **1-800-633-1468**.

**Cable Route Test:** Test route the transducer cable connector to the control head, or black box sonar [depending on your system configuration], and confirm that the cable is long enough for the planned route. Your boat may have a pre-existing wiring channel or conduit that you can use for the transducer cable. See section **3: Routing the Cable** for requirements. Extension cables are also available. Contact Customer Service for more information.


**Assembling the Mounting Bracket**

**Installing the Bracket Screw**

**1 | Install the Bracket**

**⚠ WARNING!** Disconnect the motor from all sources of electrical power before you start installation.

**⚠ WARNING!** Confirm that the trolling motor is properly secured to the boat and will not shift during the installation.

1. Align the bracket with the large holes on the transducer and install the 2 1/4" hex screw, [2] 1/4" flat washers, and 1/4-20 nylock nut as shown in the illustration **Assembling the Mounting Bracket**. **Hand tighten only.**
2. Adjust the bracket angle so the small holes are aligned with the third set of small holes on the transducer.
3. Insert the 2" screw through the third set of aligned transducer and bracket holes. Install the #4 nylock nut. See the illustration **Installing the Bracket Screw**. **Hand tighten only.**

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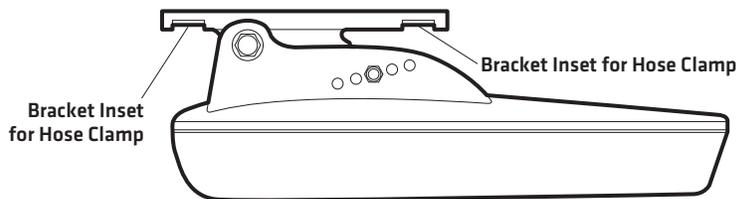
**2 | Mount the Transducer onto the Trolling Motor**

1. Position the transducer on the underside of the motor housing with the transducer mounting ears oriented away from the propeller. The square end should be facing the propeller. See the illustration *Attaching the Transducer*.

 **NOTE:** Position the transducer so it is oriented in the trolling motor's direction of travel.

2. Fit each hose clamp into the inset on the bracket. There is an inset for each hose clamp. Pull each hose clamp around the motor housing and hand tighten. **Hand tighten only.**

 **NOTE:** As you tighten the hose clamps, make sure the transducer stays properly aligned with the motor housing.

**Locating the Bracket Insets**


3. Confirm that the transducer is securely attached to the motor housing and will not slip off during operation. **Hand tighten only.**

**3 | Route the Cable**

Your boat may have a pre-existing wiring channel or conduit that you can use for the transducer cable.

1. Route the transducer cable around the side of the motor housing and secure it to the motor shaft using the plastic cable ties provided.

 **NOTE:** As you route the cable from the trolling motor to the boat, leave sufficient slack in the cable to allow for full movement and retraction of the trolling motor during normal operation.

2. Route the transducer cable connector to the control head [or black box sonar] along the planned route [see the *Preparation* section].

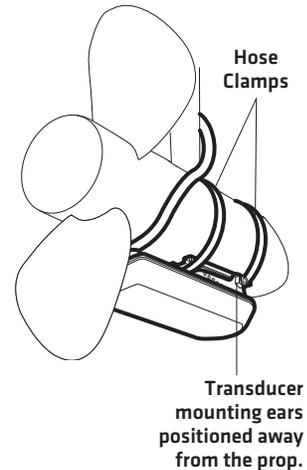
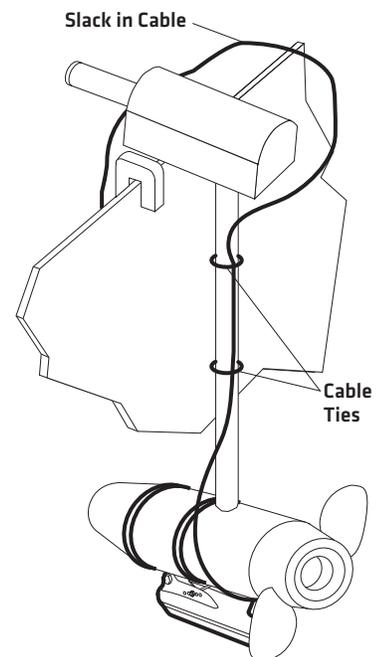
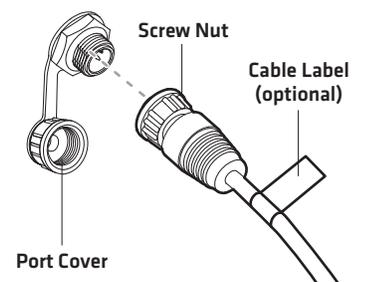
 **CAUTION!** Do not cut or shorten the transducer cable, and try not to damage the cable insulation. Route the cable as far as possible from any VHF radio antenna cables or tachometer cables to reduce the possibility of interference. If the cable is too short, extension cables are available to extend the transducer cable up to a total of 50'. For assistance, contact Customer Service.

 **CAUTION!** Do NOT mount the cables where the connectors could be submerged in water or flooded. If cables are installed in a splash-prone area, it may be helpful to apply dielectric grease to the inside of the connectors to prevent corrosion. Dielectric grease can be purchased separately from a general hardware or automotive store.

3. Connect the transducer cable connector to the SONAR port on the control head or black box sonar [depending on your system configuration]. The ports are labeled, and the connector is keyed to prevent incorrect installation. Do not force the connector into the port.

4. Hand tighten the screw nut.

 **NOTE:** See your control head installation guide for more information about connecting to the control head.

**Attaching the Transducer**

**Routing the Cable**

**Connecting to the SONAR Port  
(magnified view)**


#### 4 | Test and Finish the Installation

When you have installed both the control head and the trolling motor transducer, and have routed all the cables, you must perform a final test to verify installation. Testing should be performed with the boat in the water.



**NOTE:** Make sure the trolling motor is reconnected to the power source before performing this procedure.

1. Power on the control head.
2. Select a sonar view to display on-screen. See your control head operations manual for start-up details.



**NOTE:** The transducer must be submerged in water for reliable transducer detection.

3. Make sure the boat is in water greater than 2', but less than the depth capability of the unit, and confirm that the transducer is fully submerged. The sonar signal cannot pass through air. If the bottom is visible on the Sonar View with a digital depth readout, the unit is working properly.

#### **MAINTENANCE**

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If your boat remains in the water for long periods of time, algae and other marine growth can reduce the effectiveness of the transducer. Periodically clean the face of the transducer with a mild, marine-safe and plastic-safe soap or solution.

If your boat remains out of the water for a long period of time, it may take some time to wet the transducer after it is returned to the water. Small air bubbles can cling to the surface of the transducer and interfere with proper operation. These bubbles will dissipate with time, or you may wipe the face of the transducer with your fingers after the transducer is in the water.

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**CONTACT HUMMINBIRD****Web site** humminbird.com**E-mail** service@humminbird.com**Telephone** 1-800-633-1468**Direct Shipping** Humminbird  
Service Department  
678 Humminbird Lane  
Eufaula, AL 36027 USA

 **WARNING!** This device should not be used as a navigational aid to prevent collision, grounding, boat damage, or personal injury. When the boat is moving, water depth may change too quickly to allow time for you to react. Always operate the boat at very slow speeds if you suspect shallow water or submerged objects.

 **WARNING!** Disassembly and repair of this electronic unit should only be performed by authorized service personnel. Any modification of the serial number or attempt to repair the original equipment or accessories by unauthorized individuals will void the warranty.

 **WARNING!** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**ENVIRONMENTAL COMPLIANCE STATEMENT:** It is the intention of Johnson Outdoors Marine Electronics, Inc. to be a responsible corporate citizen, operating in compliance with known and applicable environmental regulations, and a good neighbor in the communities where we make or sell our products.

**WEEE DIRECTIVE:** EU Directive 2002/96/EC “Waste of Electrical and Electronic Equipment Directive [WEEE]” impacts most distributors, sellers, and manufacturers of consumer electronics in the European Union. The WEEE Directive requires the producer of consumer electronics to take responsibility for the management of waste from their products to achieve environmentally responsible disposal during the product life cycle.

WEEE compliance may not be required in your location for electrical & electronic equipment (EEE), nor may it be required for EEE designed and intended as fixed or temporary installation in transportation vehicles such as automobiles, aircraft, and boats. In some European Union member states, these vehicles are considered outside of the scope of the Directive, and EEE for those applications can be considered excluded from the WEEE Directive requirement.



This symbol [WEEE wheelie bin] on product indicates the product must not be disposed of with other household refuse. It must be disposed of and collected for recycling and recovery of waste EEE. Johnson Outdoors Marine Electronics, Inc. will mark all EEE products in accordance with the WEEE Directive. It is our goal to comply in the collection, treatment, recovery, and environmentally sound disposal of those products; however, these requirements do vary within European Union member states. For more information about where you should dispose of your waste equipment for recycling and recovery and/or your European Union member state requirements, please contact your dealer or distributor from which your product was purchased.

**ROHS STATEMENT:** Product designed and intended as a fixed installation or part of a system in a vessel may be considered beyond the scope of Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.